

# Bachelor's Programme in Statistics and Data Analysis

180 credits

Kandidatprogrammet i statistik och dataanalys

F7KSA

Valid from: 2020 Autumn semester

**Determined by**

Board of the Faculty of Arts and Sciences

**Date determined**

2006-08-30

**Revision date**

2014-02-14; 2016-03-18; 2018-06-20;  
2020-03-09

## Entry requirements

- General entry requirements for undergraduate studies.
- Mathematics and Social Studies corresponding to the level in Swedish upper secondary education (Matematik 3 and Samhällskunskap 1b/(1a1 and 1a2)
- English corresponding to the level of English in Swedish upper secondary education (English 6/B).

## Degree in Swedish

Filosofie kandidatexamen med huvudområde statistik

## Degree in English

Degree of Bachelor of Science with a major in Statistics

## Curriculum

### Semester 1 (Autumn 2020)

Course code	Course name	Credits	Level	Weeks	ECV
732G45	Introductory Statistics and Data Analysis	30	G1X	v202034-202103	C

### Semester 2 (Spring 2021)

Course code	Course name	Credits	Level	Weeks	ECV
732G33	Programming in R	7.5	G1F	v202104-202113	C
764G01	Linear Algebra	7.5	G1X	v202104-202113	C
732G38	Survey Methods	7.5	G1X	v202114-202123	C
732G42	Introductory Time Series Analysis	7.5	G1N	v202114-202123	C

### Semester 3 (Autumn 2021)

Course code	Course name	Credits	Level	Weeks	ECV
732G46	Regression Analysis and Analysis of Variance	15	G1F	v202134-202203	C
764G07	Mathematical Analysis	15	G1F	v202134-202203	C

## Semester 4 (Spring 2022)

Course code	Course name	Credits	Level	Weeks	ECV
732G17	Introduction to SAS programming	7.5	G1F	v202204-202213	C
732G20	Theory of Statistics I	7.5	G1F	v202204-202216	C
732G39	Statistics Project	7.5	G1X	v202204-202223	C
732G16	Databases: Design and Programming	7.5	G1F	v202214-202223	C

## Semester 5 (Autumn 2022)

Course code	Course name	Credits	Level	Weeks	ECV
732G08	Multivariate Methods	7.5	G2F	v202234-202243	E
732G12	Data mining	7.5	G2F	v202234-202243	E
732G34	Statistical Methods for complex data	7.5	G2F	v202244-202303	E
732G43	Bayesian Statistics	7.5	G2F	v202244-202303	E

## Semester 6 (Spring 2023)

Course code	Course name	Credits	Level	Weeks	ECV
732G47	Bachelor's Thesis in Statistics	15	G2E	v202304-202323	C

ECV = Elective / Compulsory / Voluntary

\*Kursen läses över flera terminer